

SAF-RC-030
Remaining Sites Confirmation Sampling -
Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Jeanette Duncan

H4-21

KW 12/19/07
INITIAL/DATE

COMMENTS:

SDG 07-A-6996

SAF-RC-030

Rad only

☒ Chem only

Rad & Chem

☒ Complete

Partial

Waste Site: 100-F-57

RECEIVED
DEC 20 2007
EDMC



SUBMITTED TO:

Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354

REFERENCE DATA:

Client Sample No.:	J16372
P.O. No.:	Not Available
Sample Location:	100-F-57
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-6996
DCL Sample ID No.:	07-41094
Sample Receipt Date:	12/11/07
Analysis Date:	12/18/07



We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.

Shawn Smythe
Analyst

Anna Marie Ristich
Anna Marie Ristich
Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government..

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12/18/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**


Client: Washington Closure Hanford
Location: 100-F-57
Set ID: 07-A-6996

Client Sample ID:	J16372
DCL Sample ID:	07-41094
Macroscopic Examination	
Accepted/Rejected:	Accepted
Homogeneity:	Homog.
Color:	Grey
Texture:	Crmby/Fbrs
Description:	Material
Analysis:	PLM
Asbestiform Minerals	
% Chrysotile:	$>20 \leq 30$
% Amosite:	$>5 \leq 10$
% Crocidolite:	
% Tremolite - Actinolite:	
% Anthophyllite:	
% Total Asbestos:	$>25 \leq 40$
Other Materials	
% Cellulose:	
% Fiberglass:	
% Other Fibers:	
% Resin/Binder:	
% Non Fibrous:	$>50 \leq 60$

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-030-060		Page 1 of 1					
Collector Welch-Koelling, Hudson		Company Contact Matt Perrott		Telephone No. 372-9088		Project Coordinator KESSNER, JH		Price Code 9C		Data Turnaround 15 Days			
Project Designation Remaining Sites Confirmation Sampling - Other Solid		Sampling Location 38121407 +00 E 46-1 60-F 57				SAF No. RC-030							
Ice Chest No. FED EX BOX		Field Logbook No. EL-1601-2		COA COOF 57 A000 COOF 46A000 BH 12/10/07		Method of Shipment FED EX							
Shipped To DataChem TestAmerica Incorporated, Richmond		Offsite Property No. A080070 A080023				Bill of Lading/Air Bill No. SC OSPC							
POSSIBLE SAMPLE HAZARDS/REMARKS													
Special Handling and/or Storage		Preservation		Cool 4C	Cool 4C								
		Type of Container		G/T	Whirl								
		No. of Container(s)		2	1								
		Volume		20mL	5g								
SAMPLE ANALYSIS		Chromium Hex - 71% Asbestos Bulk - EPA											
Sample No.		Matrix *		Sample Date		Sample Time							
J16370		OTHER SOLID		BH 12/6/07									
J16371		OTHER SOLID											
J16372 01-91097		OTHER SOLID		12/6/07		1350		X					
J46373		OTHER SOLID											
J16374		OTHER SOLID		BH 12/6/07									
CHAIN OF POSSESSION		Sign/Print Names				SPECIAL INSTRUCTIONS							
Relinquished By/Removed From BHUDSON Hudson		Date/Time 12/6/07 1550		Received By/Stored In 3728 #2C		Date/Time 12/6/07 1550		samples from 3728 Ref # 2C. 3728 Custodian removed samples for shipping on 12/10/07. Sampler unavailable to relinquish BH 12/10/07					
Relinquished By/Removed From 3728 #2C		Date/Time 12-10-07 1130		Received By/Stored In BHUDSON		Date/Time 12-10-07 1130							
Relinquished By/Removed From BHUDSON		Date/Time 12-10-07 1500		Received By/Stored In FED EX		Date/Time 12/11/07							
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time							
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time							
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time							
LABORATORY SECTION		Received By				Title				Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method				Disposed By				Date/Time			